

We claim:

1. A method of making a fabric having good flame resistance and strength and low pilling characteristics comprising the steps of:

- 5 a) providing a plurality of vortex spun yarns comprising at least about 90% flame resistant aramid fibers,
- b) forming a fabric from said vortex spun yarns, and
- c) providing a lubricant on said yarns, such that said fabric has an overall concentration of about .25% to about 3% lubricant on weight of fabric.

10

2 The method of Claim 1, wherein said step of forming a fabric comprises weaving.

3 The method of Claim 1, wherein said step of providing a lubricant
15 comprises treating the yarns, prior to or subsequent to step b), with a high molecular weight ethoxylated polyester.

4. A method of making a fabric having good flame resistance and strength and low pilling characteristics comprising the steps of:

- 20 a) providing a plurality of vortex spun yarns comprising at least about 90% flame resistant aramid fibers,
- b) forming a fabric from said vortex spun yarns, and
- c) providing a lubricant on said yarns, to thereby achieve a fabric having a char length of less than about 4 inches when tested according to Fed. Mtd. 5930
25 (1978) Test Method, and a pilling of about 2 or greater when tested according to ASTM D3512-2002 after 90 minutes.

5 The method of Claim 4, wherein said step of providing a lubricant
30 comprises providing a high molecular weight ethoxylated polyester to said yarns.

6. A flame and pill resistant fabric comprising:
a woven fabric comprising spun yarns comprising at least about 90%
flame resistant aramid fibers, wherein said fabric has a pill resistance of greater
than 2 after 90 minutes when tested according to ASTM D3512-2002.

5

7. The fabric according to Claim 6, wherein said spun yarns comprise
vortex spun yarns.

8. The fabric according to Claim 6, wherein said fabric has a pill
10 resistance of about 2.5 or greater after 90 minutes.

9. The fabric according to Claim 6, wherein said fabric comprises at
least about 0.25% on weight of fabric of a high molecular weight ethoxylated
polyester lubricant.

15

10. A flame and pilling resistant fabric comprising:
a woven fabric comprising vortex spun yarns containing at least about
90% flame resistant aramid fibers, and
at least about .25% of a high molecular weight ethoxylated polyester
20 lubricant provided on said fabric.

11. The fabric according to Claim 10, wherein said fabric has a
pilling resistance greater than 2 after 90 minutes when tested according to
ASTM D3512-2002.

25